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OF THE  
UNIVERSITY OF ILLINOIS.

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OF THE

SCHOOL OF MINES

OF

COLUMBIA COLLEGE.



SCHOOL OF MINES.  
1871.



BY LAWS  
OF THE  
SCHOOL OF MINES  
OF  
COLUMBIA COLLEGE.

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ADMISSION.

I. REGULAR COURSES OF STUDY.

1. Candidates for admission to any of the regular courses of lectures, must be at least 18 years of age. They will be examined in Algebra, Geometry, Plane, Analytical and Spherical Trigonometry, Physics and General Chemistry.

2. Students of Colleges and Schools of Science who shall have completed so much of the course of study as is comprehended in the foregoing branches, may be received without examination, on presenting their Diplomas or Certificates of good standing and honorable dismissal.

3. No candidate for a Degree shall be admitted to an advanced standing, until he shall have passed a satisfactory examination upon the studies which have been pursued by the class which he desires to join.

## II. SPECIAL COURSES OF STUDY.

4. Those who are not candidates for a degree may, by special arrangement, pursue any of the branches taught in the school.

If they select mathematics, mechanics, physics, civil or mining engineering, they will be required to give evidence of their ability to pursue the subject with profit. For other subjects no preliminary examination will be required.

They must be at least seventeen years of age.

## III. PREPARATORY COURSE OF STUDY.

5. Candidates for the preparatory year must be seventeen years of age, and must pass a satisfactory examination in arithmetic, including the metric system of weights, measures, and moneys; in algebra, through simple equations; and in geometry, on the first four books of Davies' Legendre.

## ATTENDANCE.

6. Prompt attendance upon all the exercises of the School will be required.

7. Any student, who being present at the School shall absent himself from any exercise at which his attendance is due, shall be liable to removal from the roll of his class.

8. No student shall be entitled to an examination on any study who shall absent himself from more than one-fourth of the lectures and recitations on that subject.

9. Candidates for a degree may, by a vote of the Faculty, be excused from attending studies of the course which they have pursued elsewhere, on passing satisfactory examinations upon the same when they enter.

10. Any student who shall have passed a satisfactory examination in the undergraduate department of Columbia College in any study forming a part of the regular course in the School of Mines, will not be required to pursue that study in the School.

11. No special student shall attend the lectures in any department until he shall have reported his intentions to do so to the head of that department, and he shall then be subject to all the rules and regulations applied to the candidates for a degree.

12. Special students will be required to attend the following courses of lectures.

1. Those in the Qualitative Laboratory the lectures on General Chemistry, Qualitative Analysis, and Stoichiometry.

2. Those in the Quantitative Laboratory, the lectures on General Chemistry, Stoichiometry, Quantitative Analysis, Assaying, and Applied Chemistry.

3. Those in Mechanics or Physics, the regular courses in Mathematics.

4. Those in Drawing, the lectures on Descriptive Geometry and Shades and Shadows.

### EXAMINATIONS.

13. Examinations on the subjects in which instruction has been given in the School, will be held at the close of the first term or at the end of the year.

14. No Student who shall absent himself from a regular examination, shall be allowed to proceed without a special vote of the Faculty.

15. Students who do not pass a satisfactory examination will be permitted to present themselves for a second trial during the first week after the ensuing summer vacation. The time cannot be extended without a special vote of the Faculty.

16. Examinations at times other than here designated, will not be held except by order of the Faculty.

17. Regular students, deficient in any department will not be allowed to go on with their classes without a special vote of the Faculty.

18. No student shall be entitled to a degree until he has passed satisfactory examinations in all the studies of the course.

19. Any student who shall have completed the course required for graduation, and who shall desire to continue his studies in the School for a longer time, will be permitted to do so; and with the consent of the Faculty may have an examination for a degree at the close of any subsequent term.

### STANDING.

20. Every officer will keep a record of the attendance and scholarship of each student, and report the same after the final examination of the year.

21. The maximum will be ten in each department, and six will be required to pass a student.

22. The standing of the student will be determined from the record of all the departments.

### JOURNALS OF TRAVEL AND MEMOIRS.

23. Each student, at the commencement of his second and third year, will be required to present a Journal of his travels during the vacation, and Memoirs on such subjects as shall have been assigned to him by the Faculty.

### PROJECTS.

24. Each student, before graduation, will be required to execute at least two Projects on subjects assigned to him by the Faculty. These Projects must be illustrated by drawings made to a scale.

25. All Memoirs, Projects, Journals, and Drawings executed in the Drawing Academy, will be retained by the School.



## APPARATUS.

26. Apparatus may be purchased by the students from any of the dealers in the city, or it may be borrowed from the supplies of the School. In the latter case the student will be required to make a deposit of twenty dollars. At the end of the session he will be credited with those articles which he returns in good order, while the value of those which he has injured or broken will be deducted from his deposit.

27. Platinum crucibles, weights, assay balances, agate mortars, steel mortars, &c., must be paid for on delivery. When they are returned, a deduction will be made from the amount deposited, according to the injury they may have suffered in use.

## THE LIBRARY.

28. The Library will be open to students from 9.30 A. M. to 4 P. M.

29. Books taken from the Library must be returned within one week. The retention of a book for a longer period will subject the student to a fine of two cents for each additional day.

30. Students shall give receipts for books taken, and shall be responsible for their return in good condition.

31. Drawings, Engravings, Books of Plates, and works of general reference shall not, under any circumstances, be taken from the Library.

## THE LABORATORIES AND DRAWING ACADEMY.

32. The analytical, assay, blowpipe and mineralogical laboratories, and the drawing academy will be open on weekdays from 9 A. M. till 5.30 P. M., except on Saturdays, and during vacations.



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## DEGREES.

33. Every student who shall have passed satisfactory examinations in all of the studies of a course, and who shall have completed the required number of Projects, Memoirs, Journals of Travel, Analyses, Assays, and Drawings, will be recommended to the Board of Trustees for the degree of Civil Engineer, Engineer of Mines, or Bachelor of Philosophy.

34. Candidates for the degree of Doctor of Philosophy will be required to pass a special examination.

## ORDER.

35. Good order and gentlemanly deportment will be required of all students, as a condition of attendance upon the exercises of the School.